Approved for use through 10/31/2002. OMB 0651-003T

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

stitute for form 1449A/PTO

Sheet

1

## NFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of |

Complete If Known					
Application Number	10/510,647				
Filing Date	09/09/2002				
First Named Inventor	LONG, Thomas				
Group Art Unit	3618				
Examiner Name	Ex. Coolman				
Attorney Docket Number	CM-020				

			U.S. PATENT DOCU	MENTS	
Examiner Initials *	Cite No.1	U.S. Patent Document  Kind Code <sup>2</sup> Number  (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 1,162,593	J. FIEUX	11/30/1911	
		US- 1,335,249	E.A. LEYMARIE	3/30/1920	
	1	US- 1,738,663	J. NELSON	11/19/1929	
		US- 1,953,187	L.L. NAKASHIAN	12/30/1929	
		US- 2,137,574	E. KROMER	01/22/1938	
		US- 2,803,151	R.C. CLERK	08/20/1957	
		US- 2,935,899	F.K.H. NALLINGER	05/10/1960	
	T	US- 3,022,383	A.M. SPRINGER	02/20/1962	
		US- 3,327,546	D.H. GORDON, et al	08/27/1967	
		US- 3,396,607	W.A. ROSS	08/13/1968	
		US- 3,445,991	R.A. HANSON, et al	05/27/1969	
	Ī	US- 3,529,482	H.P. JACKSON, et al	09/22/1970	
	]	US- 3,530,356	R.R. ARONSON	09/22/1970	
		US- 3,813,814	PRIEN, JR., et al	10/19/1971	
		US- 3,631,730	HADLER, et al.	01/04/1972	
		US- 3,665,788	NYMAN	05/30/1972	
		US- 3,667,304	PUFFER	09/03/1970	
		US- 3,672,244	NASVYTIS	06/27/1972	
		US- 3,749,194	BARDWICK, III	07/31/1973	
		US- 3,771,311	HERBST	11/13/1973	

	FOREIGN PATENT DOCUMENTS										
		For	eign Patent De	ocument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,				
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Te			
	ļ	<del></del>									
	<b></b>										
<del></del>		<del> </del>									
		<del> </del>	<b>_</b>								

Examiner Signature	Date Considered	

Please type a plus sign (+) inside this box

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known **Application Number** 10/510,647 INFORMATION DISCLOSURE Filing Date 09/09/2002 STATEMENT BY APPLICANT First Named Inventor LONG, Thomas **Group Art Unit** 3618 (use as many sheets as necessary) **Examiner Name** Ex. Coolman Sheet of CM-020 Attorney Docket Number

	U.S. PATENT DOCUMENTS									
	0.11	U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan					
Examiner Initials *	Cite No. <sup>1</sup>	Number Kind Code <sup>2</sup> (if known)	of Cited Document		Passages or Relevant Figures Appear					
		US- 3,874,472	DEANE	04/01/1975						
		US- 4,010,407	LOMBARD	03/01/1977						
		US- 4,018,052	LAUSSERMAIR	04/18/1977	·					
		US- 4,031,420	CARINI	08/21/1977						
		US- 4,075,542	SZEGEDY	02/21/1978						
	T	US- 4,095,665	ARMFIELD	06/20/1978						
		US- 4,103,211	GARDNER, et al	07/25/1978						
		US- 4,131,171	KEYES	12/26/1978						
		US- 4,233,658	ROWLETT	11/16/1980						
		US- 4,309,620	BOCK	01/05/1982						
		US- 4,329,889	IIACIIIYA	05/18/1982						
		US- 4,342,371	SMITLEY	08/03/1982						
	T	US- 4,423,794	BECK	01/03/1984						
		US- 4,498,552	ROUSE	02/12/1985						
		US-4,477,764	POLLARD	10/16/1984						
		US- 5,150,034	KYOUKANE, et al	11/22/1992						
		US- 5,309,778	ANTONOV	05/10/1994						
		US- 5,353,578	IRBY, et al	10/11/1994						
		US- 5,425,684	DOUGHERTY	06/20/1995						
		US- 5,582,556	PHUNG	12/10/1996						

	FOREIGN PATENT DOCUMENTS										
F	0.44	For	eign Patent D	ocument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,	***************************************			
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>			
		<del></del>	<u> </u>								
····		+		<del></del>							
<del></del>		<del> </del>									
<del></del>		<del> </del>									
		1	<del></del>								
				1			<u> </u>				

Examiner	Date	
Signature	Considered	
Olgitature		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box +

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/510,647 Filing Date 09/09/2002 STATEMENT BY APPLICANT First Named Inventor LONG, Thomas 3618 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Ex. Coolman of 4 Sheet 3 CM-020 **Attorney Docket Number** 

				U.S. PATENT DOCU	MENTS	
Examiner Initials *	Cite No.1	U.S. Patent Doc Number Kind ( (if knd	Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,686,818		SCADUTA	11/11/1997	
		US- 6,034,492		SAITO, et al	03/07/2000	
		US- 6,116,194		KAWAMURA	09/12/2000	
		US- 8,267,190	Bl	MICHELETTI	07/31/2001	
		US- 6,331,365	B1	KING	12/18/2001	
		US- 6,332,504	B1	ADDS	12/25/2001	
		US- 6,340,339	Bl	TABATA, et al	01/22/2002	
		US- 6,358,172	Bi	HIEGEMAN	03/19/2002	
		US- 3,493,068		DOOLEY	02/03/1970	
		US- 5,762,161	Α	CAIRES, et al	06/1998	
		US- 5,403,244		TANKERSLEY, et al	04/1995	
		US- 6,435,584		K.J. BONNEVILLE	08/2002	
		US- 5,845,731		BUGITONE, et al	12/1998	
		US- 3,878,913		LIONTS, et al	04/1975	
_		US- 3,923,115		HELLING	12/1975	
		US- 4,254,843		HAN, et al	06/1992	
		US- 5,125,469		SCOTT	06/1992	
		US- 5,172,784		VARELA	12/1992	
		US- 5,327,987		ABDELMALEK	07/1994	
		US- 5,917,304		BIRD	06/1999	

	FOREIGN PATENT DOCUMENTS									
<b></b>	0.4-	For	eign Patent De	ocument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,			
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>		
			ļ							
		<u> </u>	<del> </del>							
	<del></del>	<del></del>						· · · · · · · · · · · · · · · · · · ·		
		ļ	ļ							
	<u> </u>	<b></b>								
	I	1			į	1				

Examiner Signature	Date Considered	

Please type a plus sign (+) inside this box +

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitut	te for form 1449A/PT	0			Complete if Known
INFO	RMATION	DIS	CLOSURE	Application Number	10/236,928
	TEMENT B			Filing Date	09/09/2002
OIA		, , <u>,</u>	LIOAN	First Named Inventor	LONG, Thomas
				Group Art Unit	3618
	(use as many she	eets as	necessary)	Examiner Name	Ex. Coolman
Sheet	4	of	4	Attorney Docket Number	CM-020

			U.S. PATENT DOCU	MENTS	
Supplied City		U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of	Pages Columns Lines Where Relevant
Examiner Initials *	Cite No.1	Number Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,138,781	HAKALA	10/2000	
		US- 6,502,652	ROGG	01/2003	
		US- 6,554,088	SEVERINKY	04/2003	
		US- 3,493,066	DOOLEY	03/02/1970	
······					
	<u></u>				
.,,					
	L				
		<u> </u>			
	İ		ŀ		1

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee	Date of Publication of	Pages, Columns, Lines,	
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	<u> </u>	4						
	ļ							
	<del> </del>	<del></del>						
	<del></del>	<del> </del>	<del> </del>					
		<del> </del>	<del>                                     </del>					
								•

Examiner Signature	Date Considered		
			_

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known		
INCODE ATION DIGGS	001105	Application Number	10/236,92810/510,647	
INFORMATION DISCI		Filing Date	09/09/200209/09/2002	
STATEMENT BY APP	PLICANT	First Named Inventor	LONG, ThomasLONG, Thomas	
		Group Art Unit		
(use as many sheets as necessary)		Examiner Name		
Sheet 5 OF 5		Attorney Docket Number	CM-020CM-020	

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
			<u> </u>			

	, <del>*</del>		<del></del>
Examiner	Maughn Coolman/	Date	12/14/2009
Signature	/Vaughn Goolman/	Considered	ILI ITILOOJ

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.